



## Water Supply Outlook

The water supply situation and outlook are good despite relatively dry conditions in February, March and April. Full or nearly full reservoirs are expected for the start of summer. The winter snowpack accumulation in the Cedar basin is about 59 percent of average for this time of year, and about 81 percent of average in the Tolt basin, with significant melt-off of the snow being observed since early March, which is rather early. The Cedar snowpack lost about 10 percent of its snow water equivalent over the past week. Chester Morse Lake's water surface elevation is currently at 1553.1 feet, about 2.6 feet less than average for this time of year. Masonry Pool's water surface is in near equilibrium with Morse Lake and is currently at 1552.8 feet. The South Fork Tolt Reservoir is at 1757.2 feet, about 3.6 feet less than average. Streamflows below SPU facilities on the Cedar and South Fork Tolt rivers are being held at or near the guaranteed normal minimum flow levels for this time of year. Two inches of precipitation was recorded last week in the Tolt watershed, and 1.1 inches in the Cedar.

Water consumption for the 7-day period ending April 18 averaged 124 mgd. That average is less than the average of 130 mgd used during the same period over the years 1994-2000.

Steelhead are spawning in the Cedar and Tolt systems. Chinook fry emergence is complete; coho fry will continue to emerge from their redds through early June. In the Cedar, sockeye

fry are also emerging from the gravel and will continue to emerge through mid-May. Essentially all sockeye fry move directly downstream to rear in Lake Washington. A large portion of the juvenile chinook population also moves downstream immediately after emergence, but a significant number of young fish will remain in the rivers to rear through May and June. Sockeye fry emigration peaked during the last week in March and the first week in April. WDFW is now projecting that this year's emigration of wild Cedar River sockeye fry will be the largest since counts began in 1992.

The major construction on the Cedar Treatment Facility at Lake Youngs is nearing completion, and testing of major components and systems has begun.



## CIP Projects Update

### Cedar Treatment Facility Design-Build-Operate Project

#### Acceptance Test

The projected start of the facility acceptance test is June 7th.

#### Clearwells

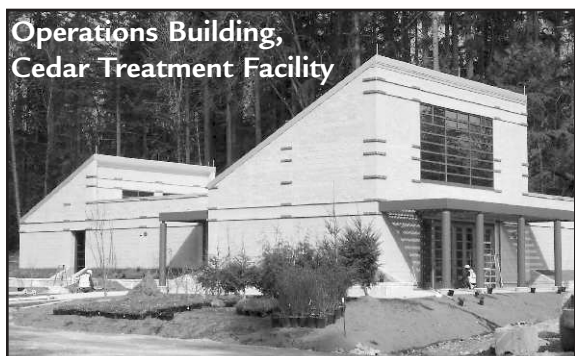
Are in service.

#### Ozone Building

Ozone functional testing is not complete, it will be completed prior to the acceptance test in June.

#### UV Building

Is in-service.



#### **Flow Control Facility #4**

Startup today.

#### **Flow Control Facility #5**

FCF-5 final acceptance testing will be in June after the tunnel connection.

#### **Raw Water Intake**

In-service.

#### **PSE Substation**

The substation is complete, and has been providing power to the project since January 26th.

Additional project update information is available on the public web site (<http://projects.ch2m.com/cedarps/>). Or, by calling Duane Maki at (206) 615-2001.

## **Water Quality Technical Forum Report**

#### **Chlorine Residual and Coliform Data from March 2004**

There were no positive coliform samples in purveyor areas during March 2004. Average chlorine residual concentrations in the purveyor distribution systems ranged from 0.5 to 1.0 mg/L during March, with an overall average of 0.8 mg/L. The target residual at the Tolt Treatment facility was 1.5 mg/L and the Cedar target residual was raised to 1.8 mg/L on March 30th.

#### **Taste and Odor**

The taste and odor panel is now meeting weekly. Samples are rated on a scale from 1 to 9, with 1 representing the best and 9 representing the worst. The taste and odor flavor rating assessment (FRA) for the most recent Cedar distribution sample was 4.3, with earthy/grassy taste. The Tolt supply was 2.2 with a chlorinous taste. The spring algae bloom is now dying off in Lake Youngs. If you would like to receive a weekly update of the taste and odor panel results, please e-mail Moya Joubert at [moya.joubert@seattle.gov](mailto:moya.joubert@seattle.gov).

#### **Lead and Copper**

Over half of the lead and copper samples have been collected for this round. So far results look similar to last round. Final results should be available by late June.

#### **Cedar Treatment Facility**

The ozone and UV systems at the new Cedar Treatment Facility are not quite ready to go into service, so the new treatment plant will be starting up with just lime and chlorine only until the full acceptance test in June. There should be little impact to water quality since these are the same treatments currently on-line at Lake Youngs. SPU Contact: Wylie Harper, 206 684-7880 or Lynn Kirby, 206 684-0216.

## **Conservation Technical Forum Summary**

**On the web at [www.seattle.gov/util/purveyors](http://www.seattle.gov/util/purveyors)**  
*(The following only applies to Full, Partial and Purveyor contract holders)*

#### **MARKETING**

##### **Regional Ad Campaign**

A regional ad campaign is being developed for July and August by the Water Conservation Coalition of Puget Sound. Two types of ads are being considered, radio and or mass transit

billboards. The coalition has raised the targeted money for this campaign and is currently researching radio ad buys from Park & Company also Fisher Broadcasting.  
CONTACT: Cornell Amaya, (206) 386-1170

## **YOUTH EDUCATION**

### **Bert Ad and Regional Poster Nominated for AWWA Awards**

Entries for two of the most successful and popular products developed in 2003 have been sent for consideration in this year's PNWS AWWA Excellence in Communications Awards. An ad featuring Bert the Salmon encourages Puget Sound area kids to save water around the home. In "Watch Your Water", Bert is loosing his habitat due to the water wasting habits of Phil Dumpster. The ad ran on Channels KCPQ and KTZZ from June to September and netted more than 2 million gross impressions of kids. Follow-up surveys indicate that 66% of those surveyed could correctly identify Bert and his messages.

The poster entry, "Seattle's Regional Water System", was produced in two versions. The first is an on-line version with interactive embedded photo and text images and virtual tours of both the Cedar and Tolt Watersheds. This interactive map is, to our knowledge, the first of its type. The other hard copy version, features graphic images and photos used in the on-line version. An interpretive border of diagrams and photos describing the water system with address links to the on-line version surrounds the central map image. Winners are to be announced at the PNWS AWWA Conference Banquet in Bellevue, May 7, 2004.  
CONTACT: Mike Mercer, (206) 684-0570

## **RESIDENTIAL INDOOR Clothes Washer Promotion**

From April 16 through July 15 there will be a regional "Double Your Savings" efficient clothes washer promotion. Like last year, this promotion will partner energy rebates with

manufacturer rebates. Unfortunately, machines that make up approximate 60% of WashWise rebates will not be part of the program (Whirlpool and Kenmore). For this reason, Seattle City Light (SCL) will not be participating in the program. During the promotion, SCL customers will be eligible for the normal WashWise rebate. However, Saving Water Partnership customers served electricity by Puget Sound Energy and who buy Double Your Savings eligible machines will receive up to \$200 in total rebates, this includes the Double Your Savings rebate and the WashWise rebate.  
CONTACT: David Broustis, (206) 684-4150

## **Multifamily Toilet Rebate List**

The Multifamily Toilet Rebate Program will be changing beginning May 1. On that date, the program will only rebate toilets that flush less than 2.0 gallons with a replacement flapper and have a minimum level of performance. These changes are being made to ensure that toilets installed will provide water savings for many years. The list of approved toilets includes over 15 products from a number of manufacturers. Applicants will receive the list of eligible toilets when they apply to the program.  
CONTACT: David Broustis, (206) 684-4150

## **RESIDENTIAL LANDSCAPE**

### **High Peak User Survey**

The draft report about the survey results was received and discussed with the consultant. A revised version is expected in early March and will be distributed to wholesale partners and other reviewers. Findings were very interesting and should be useful in refining program outreach strategies. One clear area of focus relates to automatic irrigation systems. In 1996, only 34% of high peak use customers had such systems. This percentage has increased to 78% in wholesale customer areas. Generally, the findings of this statistically significant survey are consistent with barriers analysis focus group findings from one year earlier. This survey,

however, delved into more detail on behaviors, motivations and interests in those areas found in the barriers analysis to have the greatest potential for intervention.

CONTACT: Nota Lucas (206) 684-5855

#### **“Plant Right” Classes Begin in March**

Five of this area’s most widely known garden columnists will teach plant selection classes at local nurseries from March 27th through May 1st. These classes are part of the Saving Water Partnership’s (SWP) “Plant Right for Your Site” campaign, encouraging gardeners to make informed choices when selecting new plants. Choosing the “right plant for the right place” is a highly misunderstood concept by the gardening public and can result in excessive use of water, fertilizers and pesticides. Ten nurseries have joined this year’s campaign and are helping to promote the classes through

cooperative SWP-nursery advertising in Pacific NW Magazine, Seattle Home + Garden, NW Garden News and KIRO radio during Ciscoe Morris’s gardening show. A full schedule of the classes and speakers is available at [www.savingwater.org](http://www.savingwater.org) or by calling the Natural Lawn & Garden Hotline at (206) 633-0224. CONTACT: Liz Fikejs, (206) 615-0516.

#### **COMMERCIAL**

##### **Analysis of Commercial Laundry**

Analysis of efficient commercial laundry equipment is progressing as part of the Conservation Potential Assessment update. Several laundries have been metered, and interviews with customers, vendors, and chemical service contractors have been completed. Final results will be available in the second quarter of 2004.

CONTACT: Phil Paschke, (206) 684-5883